

Attenuation Measurements Status Update

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topics

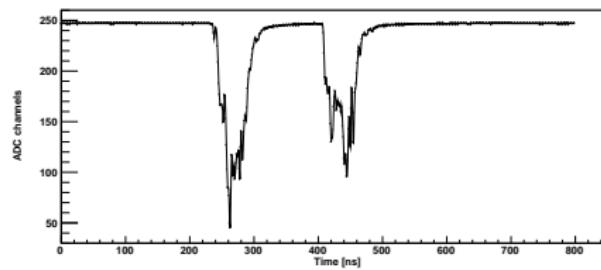
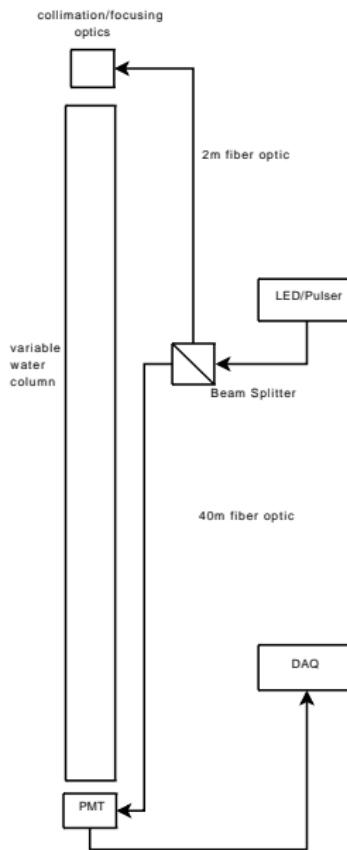
1 Apparatus

2 Stability

3 LAB measurement

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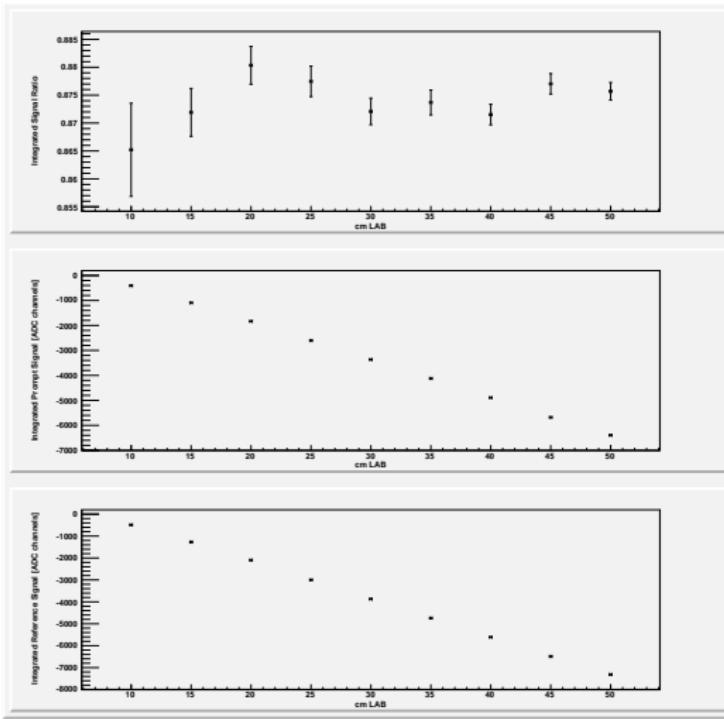
Apparatus



Stability

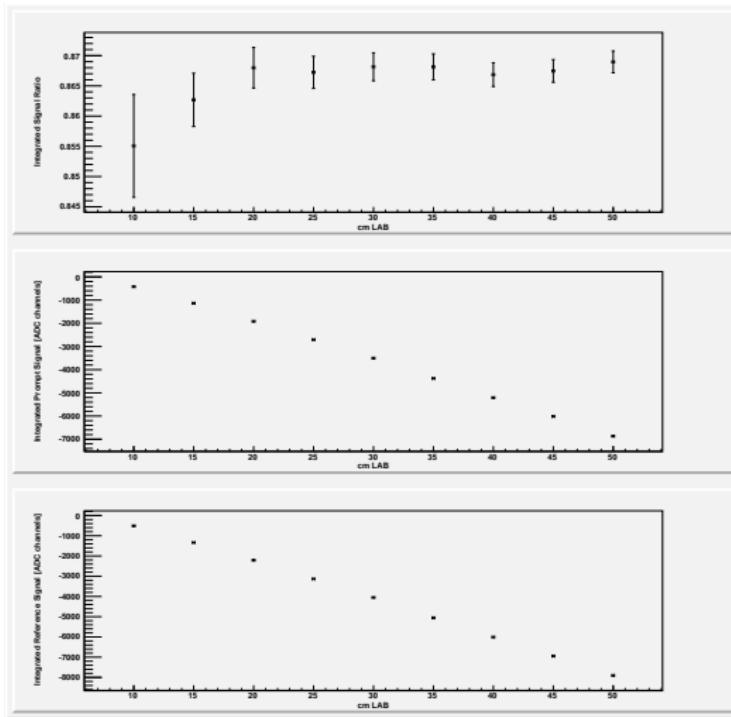
Short both fibers to photocathode and vary pulse width from 10 -

50 ns



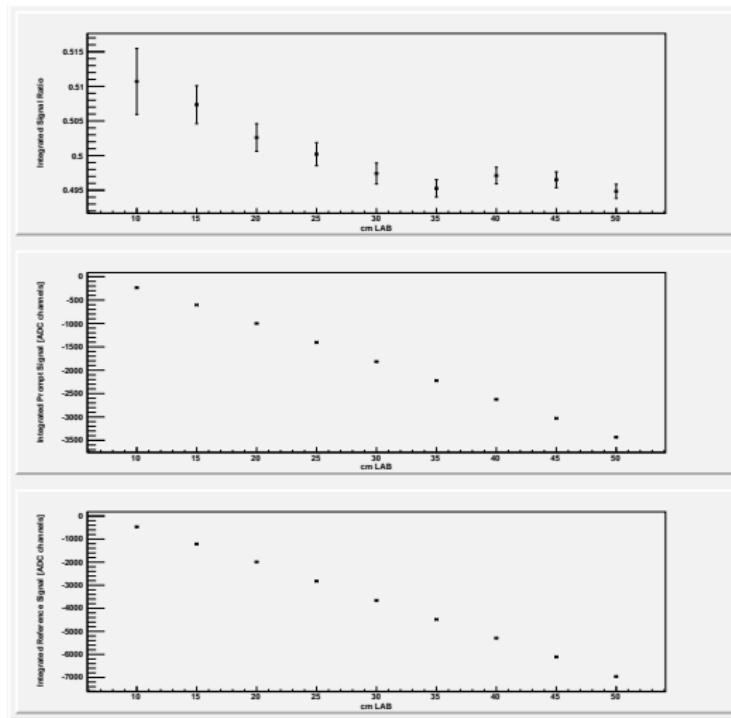
Stability

Repeat 24 hours later.



Stability

Move prompt fiber back to top of sample column.



Pulser: 50-10ns pulse, 5V dc, 1ms period

PMT: 9081KA 2200 V DC, 1.193 mA

Signal DC offset: 0.400901 Volts
-0 dB on signal

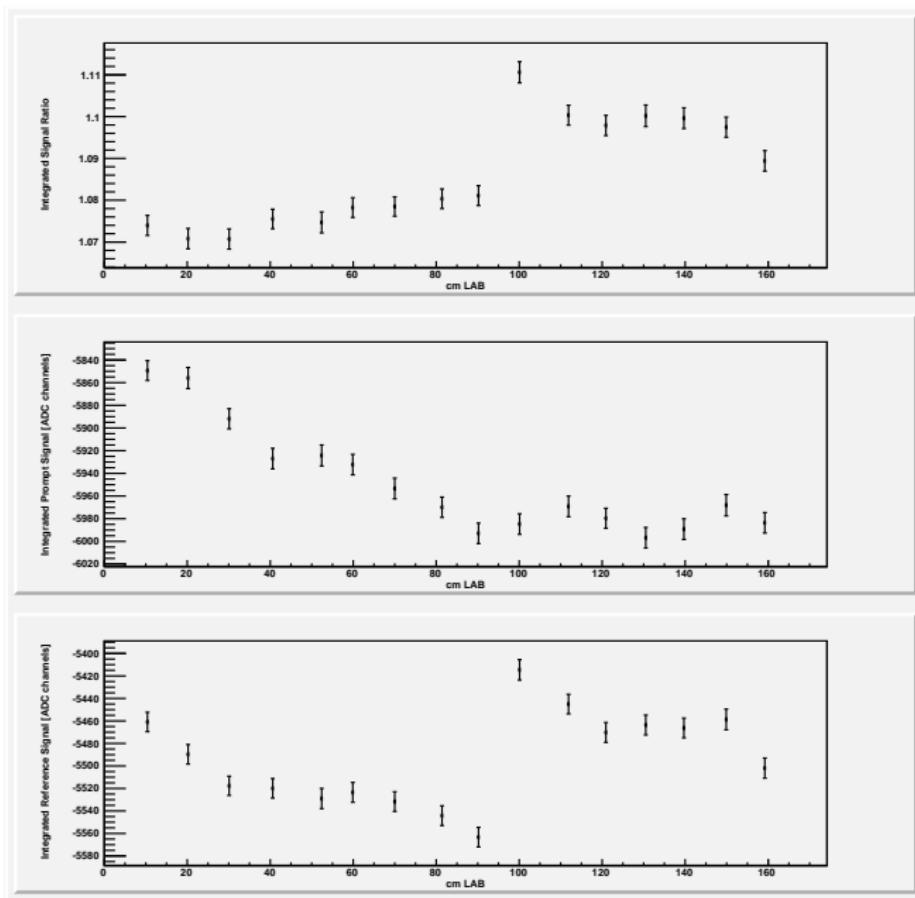
LED model: LED470E

Optics: ND20A - reference

ND10A, aspheric collimator + FC multimode fiber -

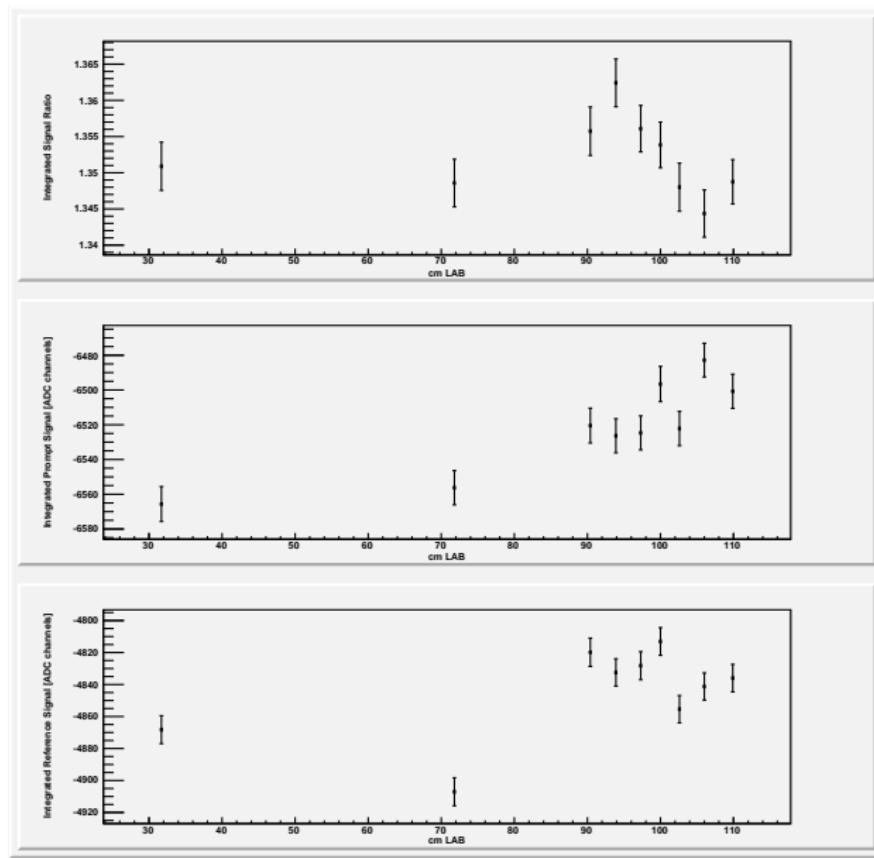
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